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PPLICATION N	Ю.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/722,892		11/26/2003	Glenn R. Borchardt	SC-5359	2869
24275	7590	04/18/2006		EXAMINER	
	. Lapacek		VORTMAN, ANATOLY		
S & C Electric Co. 6601 N. Ridge Blvd.				ART UNIT	PAPER NUMBER
Chicago, IL 60626				2835	-
				DATE MAILED: 04/18/2006	5

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
	10/722,892	BORCHARDT ET AL.				
Office Action Summary	Examiner	Art Unit				
	Anatoly Vortman	2835				
The MAILING DATE of this communicate Period for Reply	tion appears on the cover sheet w	rith the correspondence address				
A SHORTENED STATUTORY PERIOD FOR WHICHEVER IS LONGER, FROM THE MAIL - Extensions of time may be available under the provisions of 3 after SIX (6) MONTHS from the mailing date of this communic - If NO period for reply is specified above, the maximum statute - Failure to reply within the set or extended period for reply will, Any reply received by the Office later than three months after earned patent term adjustment. See 37 CFR 1.704(b).	LING DATE OF THIS COMMUNITY OF R 1.136(a). In no event, however, may a cation. In period will apply and will expire SIX (6) MO by statute, cause the application to become A	CATION. reply be timely filed NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed of	on <u>17 February 2006</u> .					
• —						
3) Since this application is in condition for	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) Claim(s) 1 and 4 is/are pending in the a 4a) Of the above claim(s) is/are 5) Claim(s) is/are allowed. 6) Claim(s) 1 and 4 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction	withdrawn from consideration.	·				
Application Papers						
9) The specification is objected to by the E	Examiner.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the same and the same are set to be same as a set of the same are sam						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s)	-					
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-892)	· —	v Summary (PTO-413) o(s)/Mail Date				
Notice of Dransperson's Patent Drawing Review (P10 Information Disclosure Statement(s) (PTO-1449 or Pinaper No(s)/Mail Date	I	f Informal Patent Application (PTO-152)				

DETAILED ACTION

Amendment

1. By amendment of February 17, 2006, claim 1 had been amended, claims 2 and 3 had been cancelled, and new claim 4 had been added. Thus, claims 1 and 4 are active in the instant application. The Office action follows:

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1 and 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over US/1.998.042 to Boothe in view of US/2,253,719 to McMahon (both of record).

Regarding claims 1 and 4, Boothe teaches (Fig. 1-4): a fuse cartridge comprising a fusible element (20) electrically connected between two terminals (12, 18) and a second and third elements (looped portions (20)) mechanically connected in parallel with a portion of said fusible element (20) between the two terminals (12, 18), said second and third elements being provided by looping the fusible element (20) about a first of said terminals (18) and being mechanically connected at the other end to an insulating portion (10) of the second of said terminals (12).

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Further, Boothe teaches that said fusible element is looped through the holes in said first terminal and said insulating portion of the second terminal, but did not disclose that said first terminal and said insulating portion of the second terminal comprise pins around which said fusible element is freely lopped.

McMahon teaches (Fig. 7) a fuse having a fusible element (101), said fusible element (101) comprising a portion (104) being freely looped around a pin (105) of a terminal (86). It is also was known to a person of ordinary skill in the fuse art at the time of the invention (i.e. basic mechanical knowledge) that round pins provide less friction than holes to wires being looped around/through them. Therefore, it would have been obvious to a person of ordinary skill in the fuse art at the time the invention was made to substitute said holes of Boothe with pins of McMahon in order to reduce friction with the looping fuse element, thus enchasing reliability of the operation of the fuse.

Response to Arguments

4. Applicant's arguments have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

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5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anatoly Vortman whose telephone number is 571-272-2047. The examiner can normally be reached on Monday-Friday, between 10:00 am and 6:30 pm..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ms. Lynn Feild can be reached on 571-272-2092. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-

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direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Anatoly Vortman Primary Examiner Art Unit 2835

A. Va